

Rocathaan Topspray 40

Description and application

2-component, sprayable, solvent-containing, eggshell gloss topcoat providing exceptionally durable protection, based on a special hydroxyl component and an aliphatic isocyanate hardener.

A very durable protection for synthetic systems, including polyurea, polyurethane and epoxy, as well as concrete structures, such as viaducts, bridges, concrete strips, pillars, etc. in aggressive environments, as well as steel, whether or not in combination with a rust-inhibiting primer.

Compared to the Rocathaan Topspray 35, this topspray has no fillers and a higher coverage ratio. Not suitable for coating littered surfaces.

Article number and packaging

16040-5	5 kg set
16040-10	10 kg set

Properties

- Non-yellowing
- UV-resistant
- Very high CO2 resistance against atmospheric contamination and various chemicals
- High mechanical resistance
- Smooth and tight topcoat that gives dirt little chance of adhering and makes the surface easy to clean.
- Thanks to the very low water absorption properties, it is excellent to use as a seal against penetrating moisture
- Non-thermoplastic, therefore, the surface remains hard even at higher temperatures

Properties liquid product

Colour	Available in RAL colours, see colour overview. <i>Other colours are available on project basis and on request.</i>
Finish	Egg gloss
Density	1,05 kg/l mixed product
Volume solids	Approx. 25%
Shelf life	At least 12 months after the date of production, if stored cool in unopened packaging and protected against frost.

Application information

Method	Airless spray
	Pressure 3-6 bar
	Opening 0,013 - 0,023 inch
Usage	0,10 – 0,15 kg/m ² /layer
Mixing ratio	840 gram A : 160 gram B
Potlife**	Approx. 25 minutes
Processing temp.	Object +5 and +35 °C
	Product +10 and +25 °C
Walkable*	After 2 hours
Recoat time*	Min. 2 hours max. 24 hours.
Chemical resistant*	After 7 x 24 hours
Mechanical resistant*	After 3 x 24 hours
Water resistant*	After 7 x 24 hours
Induction time	5 minutes
Dilution	Rocathaan thinner. A maximum of 5% only to be added once base(A) and hardener(B) have been mixed. Adding thinner can affect the properties.
Cleaning agent	Roca Cleaner R5518 (equipment)

The times and values given are approximate and are affected by fluctuating surface and environmental conditions such as (product)temperature, relative humidity and layer thickness. Ensure good ventilation during curing. Insufficient ventilation will slow down the curing process.

Coverage depends on the chosen colour and the surface. Use, if necessary, a suitable primer. This product is only suitable for spray application.

Mixing instructions

2-component products must always be mechanically mixed, preferably with a continuously adjustable mixing machine/drill (300 – 400 RPM) or another suitable mixer/whisk. As a guideline, the diameter of the mixer/whisk must be at least 1/3 of the diameter of the container in which the product is mixed in.

First mix component A until it is a homogenous mixture. Add component B (completely drained or scraped) to component A and mix at least 2-3 minutes until it is a homogenous mixture. To exclude unmixed materials (bottom/sides) are processed, transfer the mixture to a clean mixing bucket/tub and mix again.

* At 20 °C and 65% RH surface.
** At 1 kg and 20 °C product.



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When using additives such as quartz sand or the like, only add when the mixture is a homogenous mixture. After adding, please mix thoroughly again.

When mixing parts, both components must be mixed separately and carefully and weighed accurately.

Notes during application

The ambient and surface temperature shouldn't be lower than 12 °C. Condensation on the surface reduces the adhesion. 2-component products may only be applied when the relative humidity is less than 85%. The minimum surface temperature is +5° C and the temperature of the surface to be treated and the uncured product must be 3° C above the dew point. See the dew point table.

The curing process occurs more quickly at higher temperatures and slower at lower temperatures. The potlife is partly dependent on the product temperature.

Change of temperature and environmental factors can immediately affect the stated values.

If in doubt, contact your supplier.

Surface and circumstances

The surface must be clean and free of grease. All loose components must be removed. Monolithic floors must be sanded and any dust must be removed. Steel needs to be sanded and preferably blasted. Sa 2,5 75 – 80 dust-free blasting or diamond sanding for power-floated surfaces. Apply a suitable primer if necessary.

The concrete must be healthy, dry, grease-free and load-bearing and at least 28 days old.

Moisture content surface

- cement-bound : < 4% CM (parts by weights)
- plaster-bound : < 0,5% CM (parts by weights)

Surfaces with dirt pickup, cement, sludge or loose sand-cement screeds (e.g. bomb ice) can be removed, for example by blasting and making the surface dust-free.

Clean contaminated and greasy surfaces (oil and grease), preferably with a steam cleaner, using a suitable cleaning agent. If this does not result in a clean, load-bearing surface, blasting and, in certain cases, milling should be performed.

Repairs and equalizations must be carried out professionally with the appropriate products, also with regard to the finishing layer. Any

expansion joints in the surface may not be concealed, but must retain their function.

The load-bearing capacity of the synthetic floor depends on the compressive strength of the cement-bound screed and can never be absorbed by a flooring system.

Treat the surface with a suitable primer. In some cases, a primer with anti-corrosion properties will be necessary.

Already existing and treated work:

Roughen old 2-component layers by blasting or sanding and apply a suitable primer. Check old coating layers for possible detachment. If in doubt, always set up a test area and consult your supplier.

Important

Projects and applications can vary greatly. Always contact your supplier if you have doubts about a certain application, choice of material or surface treatment.

All the technical information given in this technical information sheet is based on laboratory tests. Information can change, depending on the conditions.

Legal notification

The information and, in particular, the recommendations concerning the application and final use of Prokol products is issued in good faith based on Prokol's current knowledge and experience of products that are correctly stored, handled and applied under normal conditions.

In practice, the differences in materials, surfaces and local conditions are such that no guarantee can be given concerning the marketability or suitability for a certain objective, nor can any liability arise from any legal relationship based on this information, nor from any written recommendations or other advice that is given. The property rights of third parties must be respected.

Prokol guarantees that its products are free from manufacturing faults. Multi-component products are a finished product once the components have been mixed and processed. When mixed and processed correctly, the product will achieve the specifications given. Prokol can only guarantee the product when surfaces are processed and pre-treated correctly.

All orders are accepted under the current sales and delivery conditions. Users must always refer to the most recent product safety information sheet and product information sheet for the product concerned.

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** At 1 kg and 20 °C product.



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Copies of the most recent editions are provided upon request and are available at www.prokol.com.

The publication of this product information sheet makes all previous product information sheets for this product invalid.

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